| · · · · · · · · · · · · · · · · · · · |              |            |       |  |  |  |  |  |
|---------------------------------------|--------------|------------|-------|--|--|--|--|--|
| Work Order ID 56914                   |              |            |       |  |  |  |  |  |
| March 12, 2010                        | 0 1:29:01 PM |            |       |  |  |  |  |  |
| Item ID:                              | D3706-5      |            |       |  |  |  |  |  |
| Revision ID:                          |              |            |       |  |  |  |  |  |
| Item Name:                            | Pin          |            |       |  |  |  |  |  |
| Start Date:                           | 12/03/2010   | Start Qty: | 10.00 |  |  |  |  |  |
| Required Date                         | : 26/03/2010 | Req'd Qty: | 10.00 |  |  |  |  |  |

Process Plan:

Operation

Revision Nbr

Rev A

Description

DOOSAN LATHE

QC:

Reference:

Approvals:

Sequence ID/

Draw Nbr

D3706

100

110

Doosan

Doosan Lathe

Work Center ID



Accept

Date: 10-3-15 Tooling:

Date:

1- Turn as per Folio FA756 Rev:

Deburr per dwg D3706

QC2- Inspect parts off machine FAI/FAIB

Page 1

| Accept                             | Cust Item I    | <b>]]]]]]]]</b><br>D: |              |               | Setup      | Start<br>Stop | 1 12211121 2     |                |
|------------------------------------|----------------|-----------------------|--------------|---------------|------------|---------------|------------------|----------------|
| Tooling: SPC (Y/N):                |                | ate:                  |              |               | Run        | Start<br>Stop |                  |                |
| Set Up/<br>Run Høurs               | Draw<br>Number | Draw<br>Rev.          | Plan<br>Code | Accept<br>Qty | Rej<br>Qty | ject          | Reject<br>Number | Insp.<br>Stamp |
| 0.00<br>0.00<br>& Dwg D3706 Rev: A | _ □2- ノL       | 10/03/6               | 12           |               |            |               |                  |                |
| 0.00                               | )L 10/03/      | 22                    |              |               |            |               |                  |                |
| 0.00                               | 10/02/25       | 2                     |              | /<br>/p       |            |               |                  |                |

120

Quality Control

QC8- Inspect parts - second check

Memo

Memo

0.00

Quality Control

|         | -    |                   |                                     |                              |               |         |                 |                                     |                          |
|---------|------|-------------------|-------------------------------------|------------------------------|---------------|---------|-----------------|-------------------------------------|--------------------------|
| W/O:    |      |                   | V                                   | ORK ORDER CHANG              | GES           |         |                 |                                     |                          |
| DATE    | STEP | PRO               | OCEDURE CH                          |                              | Ву            | Date    | Qty             | Approval<br>Chief Eng /<br>Prod Mgr | Approval<br>QC Inspector |
|         |      |                   |                                     |                              |               |         |                 |                                     |                          |
|         |      |                   |                                     |                              |               |         |                 |                                     |                          |
|         |      |                   |                                     |                              |               |         |                 |                                     |                          |
|         |      |                   |                                     |                              |               |         |                 |                                     |                          |
| Part No | •    | PAR #:            | Fault Cat                           | tegory:                      | NCR: Yes      | No DQ   | A:              | _ Date: _                           |                          |
|         | Re   | solution:         | on: Disposition:                    |                              |               |         |                 | Date: _                             |                          |
| NCR:    |      |                   | WORK ORI                            | DER NON-CONFORM              | ANCE (NC      | 7)      |                 |                                     |                          |
| DATE    | STEP | Description of NC | Description of NC Corrective Action |                              |               | Verific | cation Approval |                                     | Approval                 |
|         |      | Section A         | initial<br>Chief Eng                | Action Description Chief Eng | Sign and Date |         | ion C           | Chief Eng                           | QC Inspector             |
|         |      |                   |                                     |                              |               |         |                 |                                     |                          |
|         |      |                   |                                     |                              |               |         |                 |                                     |                          |
|         |      |                   |                                     |                              |               |         |                 |                                     |                          |
|         |      |                   |                                     |                              |               |         |                 |                                     |                          |
|         |      |                   |                                     |                              |               |         |                 |                                     |                          |
|         |      |                   |                                     |                              |               |         |                 |                                     |                          |
|         |      |                   |                                     |                              |               |         |                 |                                     |                          |
|         |      |                   |                                     |                              |               |         |                 |                                     |                          |
|         |      |                   |                                     |                              |               |         |                 |                                     |                          |

#### Work Order ID 56914

March 12, 2010 1:29:01 PM

**Required Date: 26/03/2010** 



Page 2

Item ID:

D3706-5

Accept

Setup Start

Stop



**Revision ID:** 

Item Name: Pin

12/03/2010

**Start Oty: 10.00** Req'd Qty: 10.00

**Cust Item ID:** 

**Customer:** 

Draw

Number

Reference:

Start Date:

Approvals:

OC:

Process Plan: Date:

Tooling:

0.00

SPC (Y/N):

Date:

Date:

Run Start



Stop

Sequence ID/ Work Center ID

130

Brake NC

Brake NC

Operation Description

NC BRAKE

Memo

Memo

Bend as per dwg D3706

Date:

Set Up/ Run Hours

0.00 SD 10/04/21

Draw Plan Rev. Code

Accept Qty **Qty** 

Reject

Reject Insp. Number Stamp

140



**Ouality Control** 

QC5- Inspect part completeness to step on W/O



Conventional Milling Machine

CONVENTIONAL MILLING MACHINE

Memo

1- drill hole as per dwg D3706

0.00

0.00

N/A Jul 10.03-20

| W/O:    |      |   | 1         | VORK ORDER CHANGES                             |             |                     | -   |                                     | j                        |
|---------|------|---|-----------|--|-------------|---------------------|-----|-------------------------------------|--------------------------|
| DATE    | STEP | PROC  | EDURE C   | HANGE  | Ву          | Date                | Qty | Approval<br>Chief Eng /<br>Prod Mgr | Approval<br>QC Inspector |
|         |      |   |           |  |             |                     | *   |                                     |                          |
|         |      |   |           |  |             |                     |     |                                     |                          |
|         |      | ·   |           |  |             |                     |     |                                     |                          |
| Part No | : D3 | 8706-5 PAR #:   | Fault Ca  | itegory: Simol Rob NO                          | R: Yes I    | No DQA              | : 1 |                                     | 64.2/                    |
|         | R    | esolution: Sww  | Disposi   | tion: <u>Survey</u> Q/                         | A: N/C Clo  | sed:                | TH  | Date:                               | 10/04/27                 |
| NCR:57  | 914  | Wo  | ORK OR    | DER NON-CONFORMANC                             | E (NCR      | )                   |     |                                     |                          |
| DATE    | STEP | Description of NC<br>Section A  | Initial   | Corrective Action Section B Action Description | Sign &      | Verific:<br>Section |     | Approval<br>Chief Eng               | Approval<br>QC Inspector |
| 0/03/31 | 138  | 5 pieces troke  while Bending the 1/6"  ROD.  R.C. process / M2+'(?)  1/5+ fine some 5 broke, | Chief Eng |  | Date  State | Coloup              |     | LOSIUNZ                             | Colon 31                 |
|         |      | list fine some  | ant 9 whe | 1.7  |             | 0-01/               |     |                                     |                          |
|         |      |   |           |  |             |                     |     |                                     |                          |

#### Work Order ID 56914

March 12, 2010 1:29:01 PM

**Required Date: 26/03/2010** 



Page 3

Item ID:

D3706-5

Accept



Setup Start



**Revision ID:** 

**Start Date:** 

Item Name: Pin

12/03/2010

**Start Qty: 10.00** 

Req'd Qty: 10.00

Operation

Description



**Cust Item ID:** 

**Customer:** 

Reference:

Approvals:

Process Plan:

Date:\_\_\_\_\_

Tooling:

Date:

Date:\_

Run

Start

Stop

Stop



QC:

Date:\_\_\_\_\_

SPC (Y/N):

Set Up/

Run Hours

Draw

Number

Draw Rev.

Plan

Code

Accept Qty

Reject Qty

Reject Number Stamp

Insp.

Sequence ID/ **Work Center ID** 

160

Quality Control

Memo

170

Packaging

Packaging

Identify as per dwg & Stock Location:

QC5- Inspect part completeness to step on W/O

Memo

0.00

180

Quality Control

QC21- Final Inspection - Work Order Release

0.00

Memo

0:00

10-4-26

| W/O:    |      |                   | V                         |                              |                |              |                      | 5                             |                          |
|---------|------|-------------------|---------------------------|------------------------------|----------------|--------------|----------------------|-------------------------------|--------------------------|
| DATE    | STEP | PROC              | EDURE CH                  | IANGE                        | Ву             | Date         | Qty                  | Approval Chief Eng / Prod Mgr | Approval<br>QC Inspector |
|         |      |                   |                           |                              |                |              |                      |                               |                          |
|         |      |                   |                           |                              |                |              |                      |                               |                          |
|         |      |                   |                           |                              |                |              |                      |                               |                          |
|         |      |                   |                           |                              |                |              |                      | i                             |                          |
| Part No | :    | PAR #:            | _ Fault Ca                | tegory: No                   | CR: Yes        | No <b>DQ</b> | \:                   | Date:                         |                          |
|         |      | esolution:        |                           |                              |                |              |                      |                               |                          |
| NCR:    |      | W                 | ORK OR                    | DER NON-CONFORMANC           | E (NCF         | ?)           |                      |                               |                          |
| DATE    | STEP | Description of NC | Corrective Action Section |                              |                | Verific      | Verification Approve |                               | Approval                 |
|         |      | Section A         | Initial<br>Chief Eng      | Action Description Chief Eng | Sign 8<br>Date |              |                      | Chief Eng                     | QC Inspector             |
|         |      |                   |                           |                              |                |              |                      |                               | -                        |
|         |      | ·                 |                           | ·                            |                |              |                      |                               |                          |
|         |      |                   |                           |                              |                |              |                      |                               |                          |
|         |      |                   |                           | · .                          |                |              |                      |                               |                          |
|         |      |                   |                           |                              |                |              |                      | :                             |                          |
|         |      |                   |                           |                              |                |              |                      |                               |                          |
|         |      |                   |                           |                              |                |              |                      |                               |                          |
|         |      |                   | · ·                       |                              |                |              |                      |                               |                          |

### Picklist Print

March 31, 2010 11:24:02 AM

Work Order ID: 56914

Parent Item: D3706-5

Parent Item Name:

Comments:

Pin

IPP Rev:A New Issue 08-05-30 EC Verified By:DD

**Start Date: 12/03/2010** 

**Required Date: 26/03/2010** 

Page 1

**Start Qty: 10.00** 

Required Qty: 10.00

| Component Item ID/<br>Item Name | Replacement<br>Item ID | Mfg/<br>Purch | Bin Prima<br>Item Locat | <br>Route<br>Seq ID | Unit of<br>Measure | Qty on<br>Hand | Remaining<br>Qty To Pick | Qty<br>Issued | Date<br>Issued | Status |
|---------------------------------|------------------------|---------------|-------------------------|---------------------|--------------------|----------------|--------------------------|---------------|----------------|--------|
| M303R0.313                      |                        | Purchased     | No                      |                     | f                  | 31.6425        | 0.4000                   |               |                |        |
|                                 |                        |               |                         |                     |                    |                |                          |               |                |        |

303 ROUND BAR .313

| Warehouse       | Loc Oty | Loc Code |   |
|-----------------|---------|----------|---|
| <b>Location</b> |         |          |   |
| Main Warehouse  |         |          |   |
| MAT028          | 31.6425 |          | _ |
| 108220          | 13.24   |          | _ |
| 110551          | 3.3825  |          |   |
| 111787          | 25.02   |          |   |

-500 JL 10/03/22

| DART AEROSPACE LTD           | Work Order:  | 56914       |
|------------------------------|--------------|-------------|
| DART AEROSPACE LID           |              |             |
|                              | Part Number: | D3706-5     |
| Description: pin             |              |             |
| Day A                        |              | Page 1 of 1 |
| Inspection Dwg: 12706 Rev: A |              | L           |

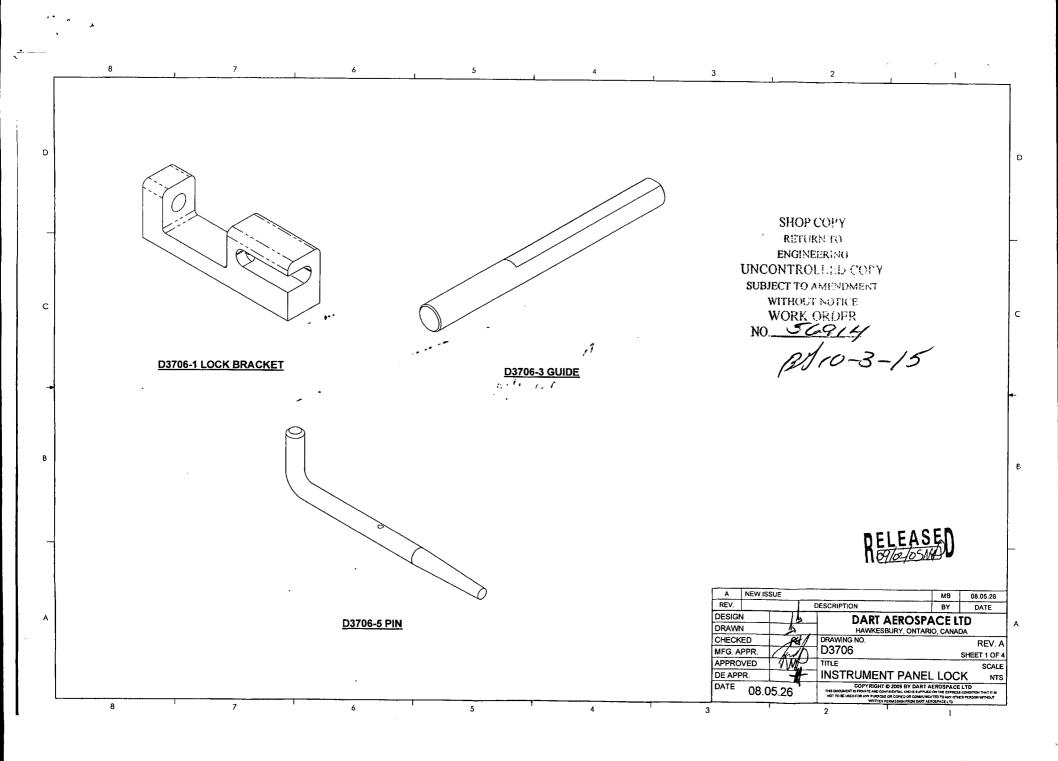
# FIRST ARTICLE INSPECTION CHECKLIST

X First Article Prototype

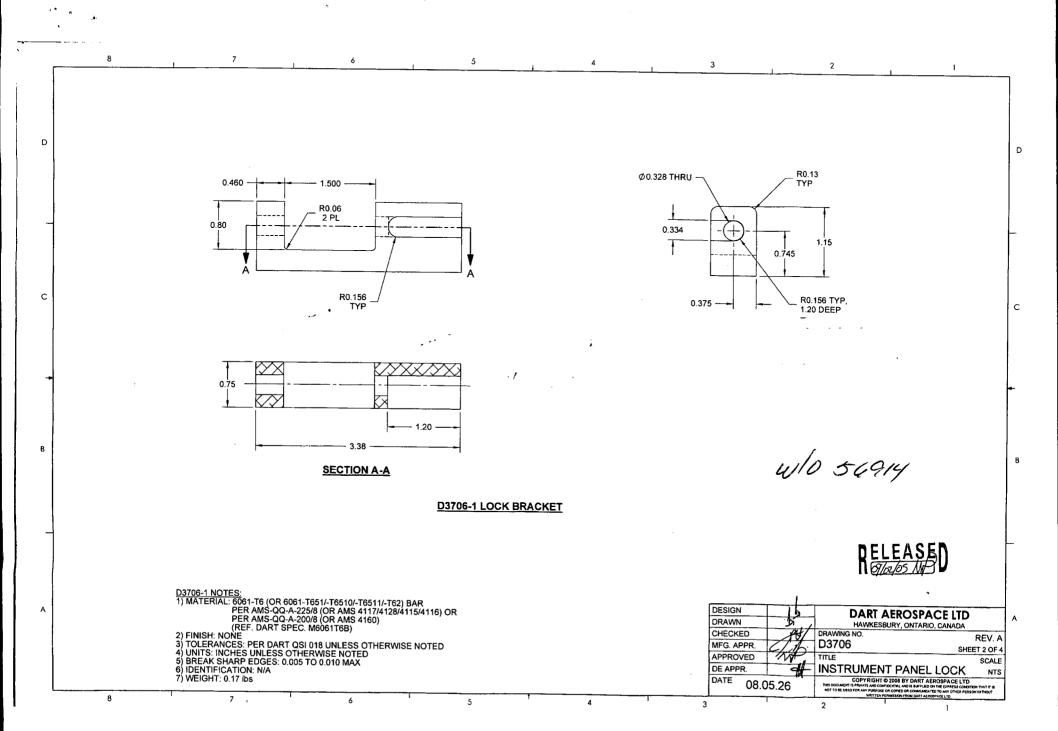
| Drawing<br>Dimension | Tolerance   | Actual<br>Dimension | Accept | Reject | Method of<br>Inspection | Comments |
|----------------------|-------------|---------------------|--------|--------|-------------------------|----------|
| .05x45°              | + 030 + .50 | .055X45°            |        |        |                         |          |
| 1 313                | ±.010       | .312                |        | ė.     |                         |          |
| 5.35                 | +-630       | 5.348               |        |        |                         |          |
| 1.500                | 1-010       | 1.500               |        |        |                         |          |
| . 200                | + .olo      | -202                |        |        |                         |          |
| 40                   | ± .5°       | 40                  |        |        |                         |          |
| . 094                | + 005       | .094                | /      |        |                         |          |
| 2375                 | +.010       | 2373                | N      |        |                         | ,        |
|                      |             |                     |        |        |                         |          |
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|                      |             |                     |        |        |                         |          |
|                      |             |                     |        |        |                         | ·        |
|                      |             |                     |        |        |                         |          |
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|                      |             |                     |        |        |                         |          |
|                      |             |                     |        |        |                         |          |
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|                      |             |                     |        |        |                         |          |
|                      |             |                     |        |        |                         |          |
|                      |             |                     |        |        |                         |          |
|                      |             |                     |        |        |                         |          |
|                      |             |                     |        |        | ļ                       |          |
|                      |             |                     |        |        |                         |          |

| Measured by: |    | Audited by: | 16       | Prototype Approval: | N/A |
|--------------|----|-------------|----------|---------------------|-----|
| Date: 10/03/ |    | Date:       | 10/03/27 | Date:               | N/A |
| 10/0/3       | 21 | L           | 70970    |                     |     |

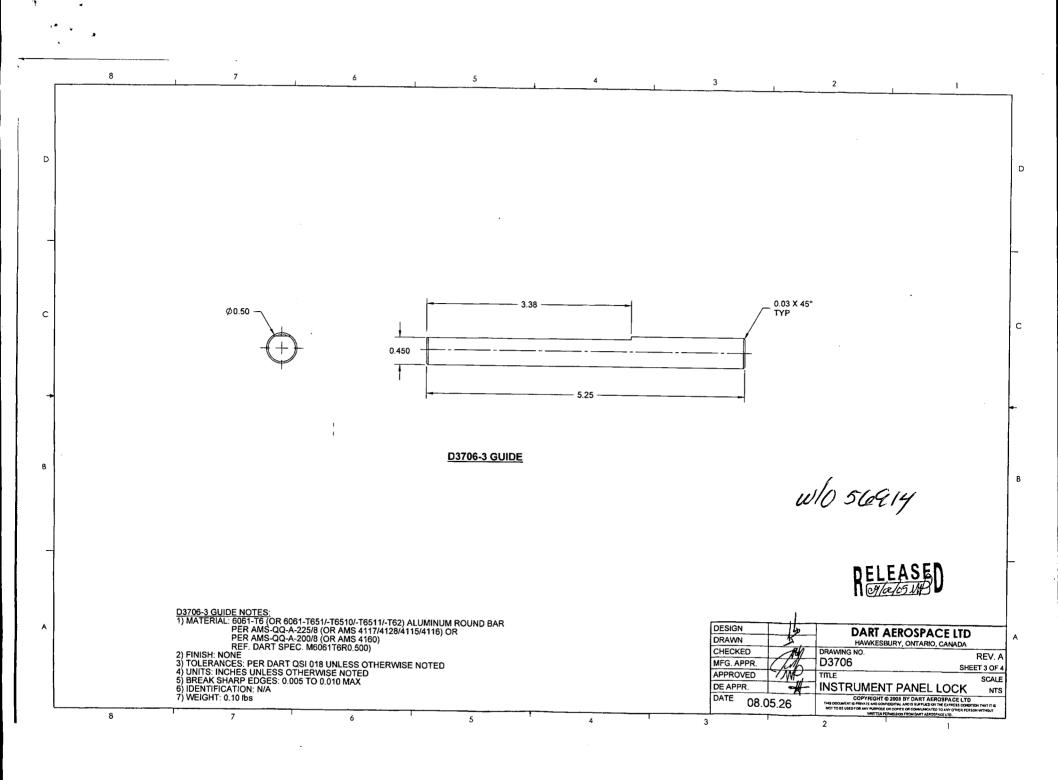
| Dave | Data | Change Revised   | by Approved |
|------|------|------------------|-------------|
| Rev  | Date | Now locus KJ/JLM |             |
| Α    |      | New Issue Robert |             |



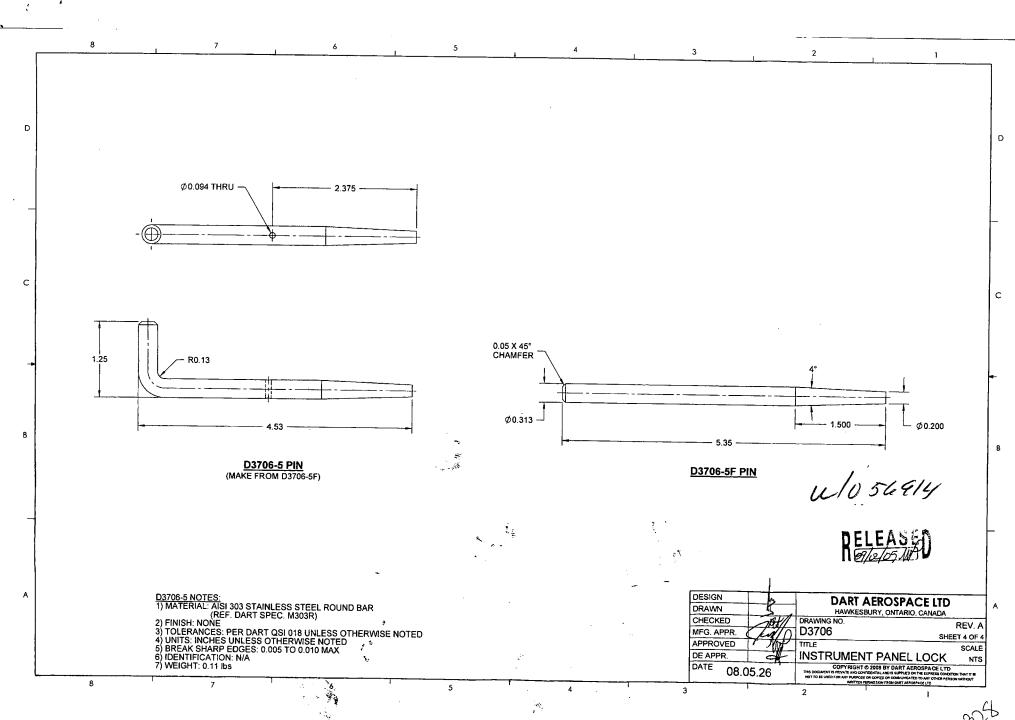
| W/O:            |      |                   | ORK ORDER CHANG      | ES                           |                |             |        |                               |                          |
|-----------------|------|-------------------|----------------------|------------------------------|----------------|-------------|--------|-------------------------------|--------------------------|
| DATE            | STEP | PR                | OCEDURE CHA          |                              | Ву             | Date        | Qty    | Approval Chief Eng / Prod Mgr | Approval<br>QC Inspector |
|                 |      | 7 - 11            |                      | 7000                         |                | <del></del> |        | Prod Mgr                      |                          |
|                 |      |                   |                      |                              |                |             |        |                               |                          |
|                 |      |                   |                      |                              |                |             |        |                               |                          |
|                 |      |                   |                      |                              |                |             |        |                               |                          |
|                 |      |                   |                      |                              |                |             |        |                               |                          |
|                 |      |                   |                      |                              |                |             |        |                               |                          |
| Part No: PAR #: |      |                   |                      |                              |                |             |        |                               |                          |
| -               | Res  | olution:          |                      |                              |                |             |        | Date:                         |                          |
| NCR:            |      | ,                 | WORK ORDI            | ER NON-CONFORM               | ANCE (NCF      | <b>?</b> )  |        |                               |                          |
| DATE            | STEP | Description of NC |                      |                              | tion B         | Verific     | cation | Approval                      | Approval                 |
|                 |      | Section A         | Initial<br>Chief Eng | Action Description Chief Eng | Sign 8<br>Date | Section 1   | on C   | Chief Eng                     | QC Inspector             |
|                 |      |                   |                      |                              |                |             |        |                               | -                        |
|                 |      |                   |                      |                              |                |             |        |                               |                          |
|                 |      |                   |                      |                              |                |             |        | ·                             |                          |
|                 |      |                   |                      |                              |                |             |        |                               |                          |
|                 |      |                   |                      |                              |                |             |        |                               |                          |
|                 |      |                   |                      |                              |                |             |        |                               |                          |
|                 |      |                   |                      |                              |                |             |        |                               |                          |
|                 |      |                   |                      |                              |                |             |        |                               |                          |
|                 |      |                   |                      |                              |                |             | •      |                               |                          |
|                 | 1    |                   |                      |                              | 1              |             |        | 1                             | ľ                        |



| W/O:            |      |                   | WO                   | RK ORDER CHANG               | ES             |                                       |             |           |                                       |  |  |
|-----------------|------|-------------------|----------------------|------------------------------|----------------|---------------------------------------|-------------|-----------|---------------------------------------|--|--|
| DATE            | STEP | PRO               | OCEDURE CHAI         |                              | Ву             | Approval                              |             |           |                                       |  |  |
|                 |      |                   |                      |                              |                |                                       |             |           |                                       |  |  |
|                 |      |                   |                      |                              |                |                                       |             |           |                                       |  |  |
|                 |      |                   |                      |                              |                | · · · · · · · · · · · · · · · · · · · |             |           |                                       |  |  |
|                 |      |                   |                      |                              |                |                                       |             |           |                                       |  |  |
|                 |      |                   |                      |                              |                |                                       |             |           |                                       |  |  |
| Part No: PAR #: |      |                   | Fault Cate           | jory:                        | _ NCR: Yes     | No DQ                                 | A:          | Date:     | , , , , , , , , , , , , , , , , , , , |  |  |
|                 |      | esolution:        |                      |                              |                |                                       |             |           |                                       |  |  |
| NCR:            |      | 1                 | WORK ORDE            | R NON-CONFORMA               | NCE (NCF       | 1)                                    | <del></del> |           |                                       |  |  |
| DATE            | STEP | Description of NC |                      | Corrective Action Section    |                | Verific                               | cation      | Approval  | Approval                              |  |  |
| DATE            | 0.2. | Section A         | Initial<br>Chief Eng | Action Description Chief Eng | Sign &<br>Date | Secti                                 | on C        | Chief Eng | QC Inspector                          |  |  |
|                 |      |                   |                      |                              |                |                                       |             |           | -                                     |  |  |
|                 |      |                   |                      |                              |                |                                       | ,           |           |                                       |  |  |
|                 |      |                   |                      |                              |                |                                       |             |           |                                       |  |  |
|                 |      |                   |                      |                              |                |                                       |             |           |                                       |  |  |
|                 |      |                   |                      |                              |                |                                       |             |           |                                       |  |  |
|                 |      |                   |                      |                              |                |                                       |             |           |                                       |  |  |
|                 |      |                   |                      |                              |                |                                       |             |           |                                       |  |  |
|                 |      |                   |                      |                              |                |                                       |             |           |                                       |  |  |
|                 |      |                   |                      |                              |                |                                       |             |           |                                       |  |  |



|          |      |                   |                    |  |                          |                          |        |           | _ **         |  |  |  |  |  |  |  |
|----------|------|-------------------|--------------------|--|--------------------------|--------------------------|--------|-----------|--------------|--|--|--|--|--|--|--|
| W/O:     |      |                   | WORK ORDER CHANGES |  |                          |                          |        |           |              |  |  |  |  |  |  |  |
| DATE     | STEP | PR                | OCEDURE CHAN       | By Date Qty Chief Eng / Prod Mgr  Date:  Ult Category: NCR: Yes No DQA: Date:  Sposition: QA: N/C Closed: Date:  CORDER NON-CONFORMANCE (NCR)  Corrective Action Section B  Section C Section C Chief Eng / Prod Mgr  Approval Chief Eng / Prod Mgr  Approval Chief Eng / Prod Mgr  Approval Chief Eng / Prod Mgr  | Approval<br>QC Inspector |                          |        |           |              |  |  |  |  |  |  |  |
|          |      |                   |                    |  |                          |                          |        |           |              |  |  |  |  |  |  |  |
|          |      |                   | <del> </del>       |  |                          |                          |        |           |              |  |  |  |  |  |  |  |
|          |      |                   |                    |  |                          |                          |        |           |              |  |  |  |  |  |  |  |
| Part No  | :    | PAR #:            | Fault Categ        | ory:   | NCR: Ye                  | NCR: Yes No DQA: Date: _ |        |           |              |  |  |  |  |  |  |  |
|          | Re   | esolution:        | Disposition        | :  | QA: N/C                  | Closed:                  |        | Date: _   |              |  |  |  |  |  |  |  |
| NCR:     |      |                   | WORK ORDE          | R NON-CONFORMA   | NCE (NO                  | R)                       |        |           |              |  |  |  |  |  |  |  |
| Part No: | STEP | Description of NC | Initial            |  |                          |                          |        |           | Approvai     |  |  |  |  |  |  |  |
|          |      | Section A         | Chief Eng          | Chief Eng  |                          |                          | tion C | Chief Eng | QC Inspector |  |  |  |  |  |  |  |
|          |      |                   |                    |  |                          |                          |        |           | _            |  |  |  |  |  |  |  |
|          |      | <b>3</b> .        |                    |  |                          |                          |        |           |              |  |  |  |  |  |  |  |
|          |      |                   |                    |  |                          |                          |        |           |              |  |  |  |  |  |  |  |
|          |      |                   |                    |  | :                        |                          |        |           |              |  |  |  |  |  |  |  |
|          |      |                   |                    |  |                          |                          |        |           |              |  |  |  |  |  |  |  |
|          | *    |                   |                    | The second secon |                          |                          |        |           |              |  |  |  |  |  |  |  |
|          |      |                   |                    |  |                          |                          |        |           |              |  |  |  |  |  |  |  |
|          | i    | 1                 | 1'                 |  | 1                        | 1                        |        | i         | 1            |  |  |  |  |  |  |  |



2:35

|          | •    |                   |   |                            |               |                |         |                 |                               |                          |
|----------|------|-------------------|---|----------------------------|---------------|----------------|---------|-----------------|-------------------------------|--------------------------|
| W/O:     |      |                   | W   | ORK ORDER CH               | IANGES        |                |         |                 |                               |                          |
| DATE     | STEP | PRO               | OCEDURE CH  | ANGE                       |               | Ву             | Date    | Qty             | Approval Chief Eng / Prod Mgr | Approval<br>QC Inspector |
|          |      |                   |   |                            |               |                |         |                 |                               |                          |
|          |      |                   |   |                            |               |                |         |                 |                               |                          |
|          |      |                   |   |                            |               |                |         |                 |                               |                          |
|          |      |                   |   |                            |               |                |         |                 |                               |                          |
| Part No  | :    | PAR #:            | Fault Cat   | egory:                     | NC            | R: Yes         | No DQ   | <b>A:</b>       | _ Date: _                     |                          |
|          | R    | esolution:        | Dispositi   | on:                        | QA            | : N/C CId      | osed:   |                 | Date: _                       | <u> </u>                 |
| NCR:     |      |                   | WORK OR   | DER NON-CONFO              | DRMANCE       | (NCR           | )       |                 |                               |                          |
| Part No: | STEP | Description of NC |   | Corrective Action          | Section B     |                | Verific | ation           | Approval                      | Approval                 |
| DAIL     | JILI | Section A         | PROCEDURE CHANGE  PAR #: Fault Category: on: Disposition: WORK ORDER NON-CO  Description of NC Section A Initial Action D | Action Descri<br>Chief Eng | ption<br>———— | Sign &<br>Date |         | ion C Chief Eng |                               | QC Inspector             |
|          |      |                   |   |                            |               |                |         |                 |                               | _                        |
|          |      |                   |   |                            |               |                |         |                 |                               |                          |
|          |      |                   |   |                            |               |                |         |                 |                               |                          |
|          |      |                   | -   |                            |               |                |         |                 |                               |                          |
|          |      |                   |   |                            |               |                |         |                 |                               |                          |
|          |      |                   |   |                            | •             |                |         |                 |                               |                          |
|          |      |                   |   |                            |               |                |         |                 |                               |                          |
| J.       |      |                   |   | ,                          |               |                |         |                 |                               |                          |
|          |      |                   |   |                            |               |                |         |                 |                               |                          |

| Packing Slip:<br>Invoice:<br>Receipt: | Yes No Cr                      | y<br>S              | Release Note /<br>Vaybill Attache<br>Shipment Com<br>ICE Inspection<br>Vork Order | ed: Y                | es No   | N/A N/A N/A |          |
|---------------------------------------|--------------------------------|---------------------|---|----------------------|---|-------------|----------|
| Discrepancies                         |                                | <u> </u>            |   | -40.10               | <del>(</del>  | N/A         | <u>.</u> |
| Part<br>Number                        | Description                    | Quantity<br>Ordered | Quantity<br>Received  | Quantity<br>Returned | Quantity<br>Short   | Comments    |          |
| MAGBO                                 | 200 /0/00                      | 24                  | · C   | 0                    | 25  |             |          |
| M6048                                 | TGBUTONYOU                     | 180                 | $\sim$  | Ø                    | 120   |             |          |
| m 6061                                | 165050                         | 192                 | C   | U                    | 192   |             |          |
| Initial                               | ting RECPOST LO19382           | REPORT R. v1        |   |                      | Locatio   | REFERENCE   | ONL      |
|                                       |                                | RECE                | IVED IAN  | 1 2 2 2009           | <u> </u>  |             |          |
| 09 15:29:39                           | voice remains with Magna Stain |                     |   |                      | Merchandis<br>Surcharges<br>No Tax Cos<br>GST<br>Total Due: | 3:<br>3ts:  | 122      |

# DART

#### **Purchase Order**

Date Jan 15, 2009 Page 1

**Purchase Order Number** PO00007977

Dart Aerospace Ltd 1270 Aberdeen St Hawksbury, Ontario K6A 1K7

Phone: (613)632-9577 Fax:

(613)632-1053



Vendor Address:

Magna Stainless 5775 rue Kieran

St Laurent, Quebec H4S 0A3 Canada

Phone

Fax

(514) 339-1211 (514) 339-1105

Ship To:

Main Finished Goods Location Dart Aerospace Ltd

1270 Aberdeen St Hawksbury, Ontario K6A 1K7

| Reference | Contact | Vendor Number | PO Date      | Terms | Ship Via | Expected Arrival |
|-----------|---------|---------------|--------------|-------|----------|------------------|
|           |         | VC-MAG002     | Jan 15, 2009 | N30   | yours    | Jan 21, 2009     |

| Qty. Ordered        | item Number      |   | Description  | Expected<br>Arrival        | Drop-<br>Ship | Unit Cost               | UOM                     | Extended Price |
|---------------------|------------------|---|--|----------------------------|---------------|-------------------------|-------------------------|----------------|
| 24.0000             | M174B0250X4000   |   | nts: MATERIAL: 17-4 Ph   |                            | No            | 27.083333               | Ft                      | 650.00         |
|                     |                  | ŀ | PER AMS 5604/564   |                            |               |                         |                         | REFERENCE ONLS |
|                     |                  |   | GRAIN MUST BE A  |                            |               |                         |                         | CAR.           |
|                     |                  |   | MINIMUM YIELD TE   |                            |               | 1                       |                         | VICE OF        |
|                     |                  |   | MINIMUM ULTIMAT  |                            |               |                         | _                       | · OM           |
| 12.0000<br>New 12.7 | M303R0313        |   | ROUND BAR 313 https://doi.org/10.00000000000000000000000000000000000 | ROUND BA                   | ₹             | 0.791666                | f                       | 945)           |
|                     |                  |   | (NOTE: AISI 304/31   | NOT ACCE                   | PTABLE        | )                       |                         | ł              |
| 320.0000            | M304S16GA        |   | 1/316 Sheet .063<br>nts: MATERIAL: AISI 30                           | 21/01/2009<br>1/316 SS SHE |               | 5.781250                | sf                      | 1.850.00       |
|                     |                  |   | AS PER AMS 5513  | OR 5524                    |               |                         |                         |                |
| 120.0000            | M6061T6B0750X00  |   | 61-T6 Bar .750 x .125<br>nts: MATERIAL: 6061-T6                      | 16/01/2009<br>OR 6061-T6   |               | 0.416666<br>1/T6510/T62 | f                       | 50.00          |
|                     |                  |   | BAR PER AMS-QQ-  | A-225/8 OR A               | MS 41         | 7/4128/4115/411         | •                       |                |
|                     | •                |   | PER AMS-QQ-A-20  | /8 OR AMS 4                | 160           |                         |                         |                |
| 192.0000            | M6061T6S080      |   | 61-T6 .080 Sheet<br>nts: MATERIAL: 6061-T                            | 21/01/2009<br>OR 6061-T6   |               |                         | sf                      | 1.180.00       |
|                     |                  |   | PER AMS-QQ-A-25  | )/11 OR AMS                | 4025 C        | R AMS 4027              |                         |                |
| <b>米</b> 192.0000   | M6061T6S063      |   | 61-T6 .063 Sheet nts: AS ABOVE                                       | 16/01/2009                 | No            | 3.104166                | sf                      | 596.00         |
|                     | 961/18           |   | P.S (REQUIRED M  | ATERIAL FOR                | R FRIDA       | Y THE 16 OF JA          | NUARY)- <mark>\$</mark> |                |
| Comments:           |                  |   | Tax Summary:<br>GST  | 21                         | 6.78          | Less:                   |                         |                |
|                     |                  |   | ONTPST   |                            | 0.00          | included tax            |                         | 0.00           |
| <del></del>         |                  | 7 |  |                            |               | Subtotal                | T                       | 4,335.50       |
| 1                   | AL CERTIFICATION |   | Entered By:  | CLAVOIE                    | 3             | Total tax               |                         | 216.78         |
| HEQ'D               | UPON DELIVERY    |   |  | ıN                         |               | Total purchase of       | order in                |                |
| <u> </u>            |                  |   | Approved By:   | 7/                         |               | CAD Dollars             |                         | 4,552.28       |

THE TO SEE A PLANT CAR DAY.

# Acciaierie Valbruna s.p.A.





CERTIFICATO DI COLLAUDO **ABNAHMEPRUEFZEUGNIS** INSPECTION CERTIFICATE CERTIFICAT DE RECEPTION EN 10204 (2005), 3.1

36100 VICENZA (Italia) - Vizle de a sara = Stab.: 39100 BOLZANO (Italia) - Va A Line #

Cliente / Bestole: Purchasser Cliente VALBRUNA CANADA LTD 8724 HOLGATE CRESCENT CDN-MILTON, ONT LST 5Z1-CAN

4. sz 5 Spedziene: D-VI08023633

Produttore: ACCIAIERIE VALBRUNA S.P.A.

Orane or 804001955

Oggetto Prove: - Annealed Cold Draws

TICO di Elaborazione: E+AOD

Certificato nr: MEST668292/2008/

Conferma ordine nr: El08003212. Werks/Our Order/Ref m.

Marchio di Fabbrica: Zeichen des Liefenmerkes Trade mark Skile de l'unine produtica

Punzone del Collaudatore:



Specifiche: / Regulaments / Expande VAL CANADA 2303 A,CF ASTM A314 97 S30300 DOD-F-24669 6 S30303

(0) SEC.II PT.A 2007 EDITICAL

ANS 5640 U TYPE1 ASTM A320 2008 B8F MIL-S-862 B/1 303

ASME SA320 2007 B8F (0) ASTM A582 2005 S30300 QQ-S 764 B/2 303

Qualità: T-303

Marca: VPAU188Z VALPLUS

Punzonatura: T-303

Lotto nr. Lunghezza - Ft Colata Oggette žpeosoci - la Tolleranza Lange Length Lungum 17/320 810205730 422176 484-06B 13/13 0010 Round 0,3125

Sono state soddistatte titte le condizioni richieste

Controllo antimescolanza: OK gprükung: spe säng perform

Controllo visivo e dimensionale: soddista Besichbung and Ausmessung: otne Beautandung Visual Inspection and dimensional dieducational Controlle visual et dimensions: satisfatisant esigenze:

Strizione Resilienza Resistenza Allungamento rovetta Spervamento Spervamento ۰F TEST HB RA Rm k.s.i. Rp 0,2% k.s.i. 140 30 75 35 50 min Valori richiesti 1 241 max 239 53 7,93 68 38 87 114

#### Analisi chimica

| 14. |                  | 1.0       |      | and the filter for | 201   | - 11 A 1 - 12 - 12 - 12 - 12 - 12 - 12 - |      |       |       |      |      |   |          |    |        |     |
|-----|------------------|-----------|------|--------------------|-------|--|------|-------|-------|------|------|---|----------|----|--------|-----|
| - 1 | Colata ###       | min -     | ¥ 1  |                    | 17.00 | -  |      | 8,00  | -     |      | 0,15 | - | -        | 1- | 1: 3 7 |     |
|     | Stranelzo/Coutée | max 0,150 | 1,00 | 2.00               | 19,00 | 0.60                                     | 1,00 | 10,00 | -     | 0,15 | 0,40 | - | -        | -  |        |     |
|     | 11325            | C %       | Si%  | Mn %               | Cr%   | Mo %                                     | Cu % | Ni%   | Co%   | Р%   | S%   |   | 48 T. Fr |    |        |     |
|     | 422176           | 0,045     |      |                    | 17,39 | 1  | 0.59 |       | 0,067 | 0,03 | 0,30 |   |          |    |        | _ 1 |

Produced without class I-II Ozone depleting substances.

Solution heat treated free from continuous carbide network.

Annealing temperature: 1940°F for 0,5 h/water.

Micro and macro etch test: OK Material is DFARS Compliant

Metted and manufactured in Italy

No welding or weld repair

Material free from Mercury or radio-activity contamination

The Quality Management System is Certified acc. Pressure Equipment Directive [97/23/EC] Annex 1,a.,4.3 by TUEV and LLOYU'S

Vicenza,11/09/08 rMod, MCFR

Il collaudatore di stabilimento / der Werkssachverständige/ Works inspector / L'agent d'usine M. Rizzotla KLIA

Pagina - 1 di 1